Claims

1. Fan impeller (1) with a base plate (2) and a number of fan impeller blades (3) fastened to base plate (2), the fan impeller blades (3) being arranged essentially perpendicular to base plate (2) and forming an essentially radial arrangement, in which each fan impeller blade (3) has a front edge (4) arranged radially outward essentially perpendicular to base plate (2), a rear edge (5) arranged radially inward essentially perpendicular to base plate (2), an outer surface (6) arranged on the delivery side of fan impeller (1) and an inner surface arranged on the intake side of fan impeller (1), characterized by the fact that at least one elevation (7) is arranged and/or formed on the outer surface (6) of at least one part of the fan impeller blades (3), which is spaced from the base plate (2) and extends away from base plate (2) essentially diagonally from the front edge (4) to rear edge (5) of the fan impeller blades (3).

2. Fan impeller according to Claim 1, characterized by the fact that the elevation (7) is designed in the form of a step on and/or in the outer surface (6).

3. Fan impeller according to Claim 1 or 2, characterized by the fact that fan impeller blades (3) are curved so that the outer surface (6) curves radially outward between the front edge (4) and rear edge (5).

4. Fan impeller according to one of the preceding claims, characterized by the fact that at least one elevation (7) has a height of about 1 to 10 mm, preferably 2 to 4 mm, at least in areas.

5. Fan impeller according to one of the preceding claims, characterized by the fact that at least one elevation (7) has a width of 1 to 10 mm, preferably 2 to 4 mm, at least in areas.

6. Fan impeller according to one of the preceding claims, characterized by the fact that the spacing of at least one elevation (7) to base plate (2) at least in areas, especially in the region of the front edge (4), is at least about 5 to 25 mm, preferably 10 to 20 mm.

7. Fan impeller according to one of the preceding claims, characterized by a support element (8), as in the form of a cover ring, of the fan impeller blades (3), on the side of the fan impeller blades (3) opposite the base plate (2).

8. Fan impeller according to Claim 7, characterized by the fact that at least one elevation (7) is designed arc-like at least in areas, in which it is preferably bent from the corresponding rear edge (5) to the corresponding front edge (4) away from support element (8).

9. Fan impeller according to one of the preceding claims, characterized by the fact that at least one elevation (7) forms an angle of 45° to 90° with the front edge (4), preferably an angle of 70° to 90°.

10. Fan impeller according to one of the Claims 7 to 9, characterized by the fact that at least one elevation (7) has at least in areas, a spacing to support element (8) especially in the region of the rear edge (5), of at least about 1 to 10 mm, preferably 5 to 15 mm.

11. Fan impeller according to one of the preceding claims, characterized by the fact that at least one elevation (7) is formed by at least one wire.

12. Fan impeller according to one of the preceding claims, characterized by the fact that at least one elevation (7) is welded onto the outer surface (6) of the fan impeller blade (3) at least in areas.

13. Fan impeller according to one of the preceding claims, characterized by the fact that a distinct edge, as in the form of a groove, is preferably formed on the outer surface (6) of at least one fan impeller blade (3), preferably each fan impeller blade (3), in the fastening region between the corresponding elevation (7) and the outer surface (6), at least in areas, on the side lying in the direction of rotation of the fan impeller.

14. Fan impeller according to one of the preceding claims, characterized by the fact that at least one elevation (7) has a profiled cross-section at least in areas, is preferably bulged, in which the focal point of the bulge lies on the side of elevation (7) facing the rear edge (5) and/or has at least one groove, preferably on the side facing rear edge (5).

15. Fan impeller according to one of the preceding claims, characterized by the fact that at least one elevation (7) is tightly joined, preferably with silicone, to the outer surface (6), at least in areas, on the side facing away from the direction of rotation of fan impeller (1).

Fan impeller according to one of the preceding claims in a cooking appliance.